

CLAIMS

What is claimed is:

1. A method of storing a file, comprising:
partitioning the file into a plurality of parts; and
storing the parts onto a plurality of media that are write-once, so that at least two parts are stored on different media, and fewer than all the parts are stored on any one of the media.
2. The method of claim 1, where at least some bytes in the file are divided so that the bytes are partially located in at least two of the parts, and less than all of any one byte is located on any one of the media.
3. The method of claim 1, further comprising:
interleaving at least one of the parts with parts of other files; and
storing the interleaved parts onto the plurality of media.
4. The method of claim 1, where the media are physically located in a plurality of different storage systems.
5. The method of claim 1, where at least some parts are stored multiple times.
6. The method of claim 5, where at least some parts are stored multiple times on one medium.
7. The method of claim 5, where at least some parts are stored multiple times on different media.

8. The method of claim 1, further comprising:

computing data for integrity confirmation from data in the file; and
storing the data for integrity confirmation.

9. The method of claim 8, where the data for integrity confirmation is stored on a medium that is separate from media used for storing parts of the file.

10. The method of claim 1, further comprising:

computing data for integrity confirmation from data on each medium; and
storing the data for integrity confirmation.

11. The method of claim 10, where the data for integrity confirmation is stored on a different medium than the medium for which the data for integrity confirmation is computed.

12. The method of claim 1, further comprising:

encrypting the file before partitioning the file into a plurality of parts.